

UNIVERSITY OF FORT HARE

**PIG AND POULTRY PRODUCTION
AGA 415**

DEGREE EXAMINATIONS

JUNE 2023

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Time: 3 Hours

Subject: AGA 415

Marks: 100

This paper consists of 2 pages, including the cover page

**Internal Examiners
Mr. C.S Gajana**

**External Examiners
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**INSTRUCTIONS
*Answer ALL questions!***

Question 1: [25 marks]

1. You are a farm manager and receive a laboratory confirmatory result stating that your chickens are infected with fowl pox.
 - a. Give the etiology of fowl pox [2 marks]
 - b. Mention any two forms of the disease that you know [2 marks]
 - c. List three methods of diagnosis of fowl pox [3 marks]
 - d. Give two descriptions of each of the forms mentioned in (b) above [2 marks]
 - e. How do you prevent fowl pox from re-occurring in the flock? [1 mark]
2. A viral disease of poultry that has 1 serotype and 8 genotypes and can be distinguished into four different carcinogenicities' (v, m, l, and a);
 - a. Give the name of this disease [2 marks]
 - b. Mention any two clinical signs associated with the disease [2 marks]
 - c. A common pathology of the disease is hemorrhages; mention two organs or parts of the chicken where hemorrhage commonly occurs. [2 marks]
 - d. Mention two differential diagnoses [2 marks]
 - e. When a disease occurs on a farm, depopulation is often a containment measure. Give two methods of depopulation that can be applied. [2 marks]
3. Highlight the advantages of egg grading [5 marks]

Question 2: [25 marks]

1. What are the purpose and benefits of induced farrowing in pigs [10 marks]
2. Describe the management practices in piglets after farrowing up to weaning [15 marks]

Question 3: [30 marks]

1. Describe the factors affecting egg production [15 marks]
2. Discuss the factors to consider when dealing with eggs before incubation [15 marks]

Question 4: [20 marks]

1. Give the description, symptoms, and treatment of Salmonellosis [10 marks]
2. Explain how high and low environmental temperatures affect pig production to farmers. [10 marks]